

AMENDMENT TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1.-53. (Canceled)

54. (New) A method for selecting function codes for use in a remote control, comprising:

receiving user input at a computer that functions to specify a type of a consumer electronic device and a brand of the consumer electronic device;

using the user input at the computer to select a plurality of function code sets that have been identified as being candidates for commanding operations of the specified type of the consumer electronic device and the specified brand of the consumer electronic device; and

causing at least a subset of each of the plurality of selected function code sets to be downloaded from the computer into the remote control whereby a user may interact with the remote control to determine by experimentation which one of the plurality of function code sets is appropriate for commanding operations of the specified type of the consumer electronic device and the specified brand of the consumer electronic device.

55. (New) The method as recited in claim 54, comprising displaying to the user a list comprising a plurality of consumer electronic device types and the user selecting one of the plurality of consumer electronic device types from the list comprises the user input that functions to specify the type of the consumer electronic device.

56. (New) The method as recited in claim 54, comprising displaying to the user a list comprising a plurality of consumer electronic device brands and the user selecting one of the plurality of consumer electronic device brands from the list comprises the user input that functions to specify the brand of the consumer electronic device.

57. (New) The method as recited in claim 54, wherein the subset of each of the plurality of function code sets includes at least a code for commanding a power operation of the specified type of the consumer electronic device and the specified brand of the consumer electronic device.

58. (New) The method as recited in claim 54, comprising arranging the downloaded plurality of function code sets such that the plurality of function code sets will be tested in an order according to their popularity when the user interacts with the remote control to determine by experimentation which one of the plurality of function code sets is appropriate for commanding operations of the specified type of the consumer electronic device and the specified brand of the consumer electronic device.

59. (New) The method as recited in claim 54, comprising using the one of the plurality of function code sets that is appropriate for commanding operations of the specified type of the consumer electronic device and the specified brand of the consumer electronic device to identify a set of extended function codes for use in commanding extended

operations of the specified type of the consumer electronic device and the specified brand of the consumer electronic device.

60. (New) The method as recited in claim 54, wherein the user input is received at the computer via an Internet connection.

61. (New) The method as recited in claim 54, wherein the plurality of function code sets are downloaded from the computer directly into the remote control.

62. (New) The method as recited in claim 54, comprising displaying to the user a key layout for the remote control and a list of functions from the function code set appropriate for commanding operations of the specified type of the consumer electronic device and the specified brand of the consumer electronic device and accepting user input to assign functions from the list of functions to the key layout, assignments of functions to the key layout being downloadable from the computer to the remote control to thereby configure the remote control to command operations of the specified type of the consumer electronic device and the specified brand of consumer electronic device.

63. (New) The method as recited in claim 62, comprising displaying an amount of memory needed in the remote control to download from the computer to the remote control assignments of functions to the key layout.

64. (New) The method as recited in claim 62, comprising presenting a graphical user interface having drag and drop capabilities for use in assigning functions from the list of functions to the key layout.

65. (New) The method as recited in claim 62, comprising downloading from the computer to the remote control via a speaker assignments of function codes to the key layout.

66. (New) The method as recited in claim 62, comprising downloading from the computer to the remote control a user interface having keys appropriate for commanding operations of the specified type of the consumer electronic device and the specified brand of the consumer electronic device, the user interface corresponding to the key layout.

67. (New) The method as recited in claim 62, comprising downloading from the computer to the remote control via a memory card assignments of functions to the key layout.

68. (New) The method as recited in claim 62, wherein the key layout comprises keys displayable in a display of the remote control.

69. (New) The method as recited in claim 62, comprising directly downloading from the computer to the remote control assignments of functions to the key layout.

70. (New) The method as recited in claim 54, wherein the plurality of function code sets each comprise codes for driving an IR emitting diode of the remote control.

71. (New) A method for selecting function codes for use in a remote control, comprising:

displaying at a Web site a list comprising a plurality of consumer electronic device types for allowing a user to select one of the plurality of consumer electronic device types from the list to specify a type of a consumer electronic device;

displaying at the Web site a list comprising a plurality of consumer electronic device brands for allowing the user to select one of the plurality of consumer electronic brands from the list to specify a brand of the consumer electronic device;

using the user specified type of the consumer electronic device and the consumer specified brand of the consumer electronic device to select a plurality of function code sets that have been identified as being candidates for commanding operations of the specified type of the consumer electronic device and the specified brand of the consumer electronic device;

making at least a subset of each of the plurality of selected function code sets available whereby a user may determine by experimentation which one of the plurality of function code sets is appropriate for commanding operations of the specified type of the consumer electronic device and the specified brand of the consumer electronic device;

and

displaying to the user at the Web site a key layout for the remote control and a list of functions from the function code set determined to be appropriate for commanding operations of the specified type of the consumer electronic device and the specified brand

of the consumer electronic device and accepting user input to assign functions from the list of functions to the key layout;

wherein assignments of functions to the key layout are downloadable from the Web site to the remote control to thereby configure the remote control to command operations of the specified type of the consumer electronic device and the specified brand of the consumer electronic device.

72. (New) The method as recited in claim 51, comprising arranging the plurality of function code sets such that the plurality of function code sets will be tested in an order according to their popularity when the user determines by experimentation which one of the plurality of function code sets is appropriate for commanding operations of the specified type of the consumer electronic device and the specified brand of the consumer electronic device.

73. (New) The method as recited in claim 71, comprising displaying an amount of memory needed in the remote control to download from the Web site to the remote control assignments of functions to the key layout.

74. (New) The method as recited in claim 71, comprising presenting a graphical user interface having drag and drop capabilities for use in assigning functions from the list of functions to the key layout.

75. (New) The method as recited in claim 71, comprising downloading from Web site to the remote control via a speaker assignments of function codes to the key layout.

76. (New) The method as recited in claim 71, comprising downloading from the Web site to the remote control a user interface having keys appropriate for commanding operations of the specified type of the consumer electronic device and the specified brand of the consumer electronic device, the user interface corresponding to the key layout.

77. (New) The method as recited in claim 71, comprising downloading from the Web site to the remote control via a memory card assignments of functions to the key layout.

78. (New) The method as recited in claim 71, wherein the key layout comprises keys displayable in a display of the remote control.

79. (New) The method as recited in claim 71, comprising directly downloading from the Web site to the remote control assignments of functions to the key layout.

80. (New) The method as recited in claim 71, wherein the plurality of function code sets each comprise codes for driving an IR emitting diode of the remote control.